

CROTALARIA INCANA VAR. *GRANDIFLORA* (LEGUMINOSAE), A NEW
VARIETY FROM SOUTH AMERICA

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ABSTRACT

Crotalaria incana var. *grandiflora*, var. nov., a large flowered variety from Colombia, Ecuador, Perú, Bolivia, and Paraguay is described.

KEY WORDS: *Crotalaria*, Leguminosae, Colombia, Ecuador, Perú, Bolivia, Paraguay, South America

During preparation of a treatment of the genus *Crotalaria* for Flora Neotropica, an analysis of the variation in the wide ranging and weedy species *C. incana* L. was conducted (Adler & Windler 1983). The variation in morphological characters was examined in the light of the differences in geography and topography. Varieties *incana* and *australis* have the broadest range in the New World and are distinguished primarily by their indument types. Variety *australis* is characterized by its dense spreading trichomes and variety *incana* is characterized by a more sparse, loosely appressed indument. Senn (1939) described var. *nicaraguensis* to recognize Central American plants with glabrous or nearly glabrous stems and fruits. Windler & Adler's study found a fourth variety, characterized by flowers that are substantially larger than those of the other three varieties. Bentham had affixed the name *C. grandiflora* to a herbarium sheet but never submitted it for publication. N.L. Britton (1889) included the epithet in a paper, enumerating the collections of H.H. Rusby in 1885 and 1886, but did not validate it. In order to make the varietal name available for our use, we submit the following diagnosis:

***Crotalaria incana* L. var. *grandiflora* Windler, Adler, & Skinner, var. nov.**

TYPE: BOLIVIA. Depto. La Paz, Prov. Sud Yungas, Yanacachi, abajo del "Hogar Fe y Alegria," 1950 m, exp. SSE, 20-30 degree slope sendero por abajo, hacia chacras y el rio, Matorral, May 4, 1987, R. Seidel & E. Richter 874 (HOLOTYPE: US!).

Crotalaria incana L. forma *microphylla* Chodat & Hassler, Bull. Herb. Boissier 4(2nd series):835. 1904. TYPE: PARAGUAY. Cordillera, San Bernardino, *E. Hassler 3526* (HOLOTYPE: G!).

Diagnosis: Flores grandes (14-15 mm longi), calycibus 11-13 mm longis, carinis 11-14 mm longis (Fig. 1).

This large flowered variety of *Crotalaria incana* is native to upper elevations in tropical South America and appears at lower elevations in the more temperate climates of southern South America. Representative collections are as follows:

COLOMBIA. Atlantico, Nr. Barranquilla, *Dugand 127* (F). Bolivar, Nr. Cartagena, roadsides nr. sea-level, *Killip & Smith 14160* (F). Magdalena, Isla de Salamanca, *Romero-Castaneda 10523* (MO).

ECUADOR. Azway, Valley of Río Paute, between Paute and Cuenca, 7200-8000 ft., *Camp E-2318* (F,MO). Chimborazo, Nr. Ituigna, Río Chanchan, 4000-4500 ft., *Camp E-2975* (F). Loja, Nr. Loja, *Steyermark 54848* (F,MO).

PERU. Amazonas, Prov. Bongara, on road to Pomacocha, 13 km N of Puente Ingenio, *Hutchison & Wright 6834* (F). Ancash, Huaraz, Baños de Chancos, *Sandeman 4603* (F). Apurimac, Prov. Abancay, Quebrada, 1 km E of Abancay, *Stork et al. 10554* (F,MO). Cuzco, Pauwcartambo, *Balls B6677* (F). Junín, Tarma, Carretera Central, 1-3 km E of Palca, *Edwin & Schunke 3934* (F,IAN). Piura, 40-43 km E of Olmos on road to Pucara, *A. Gentry et al. 22660* (BALT). Puno, Region of Puno, *Soukup 516* (F).

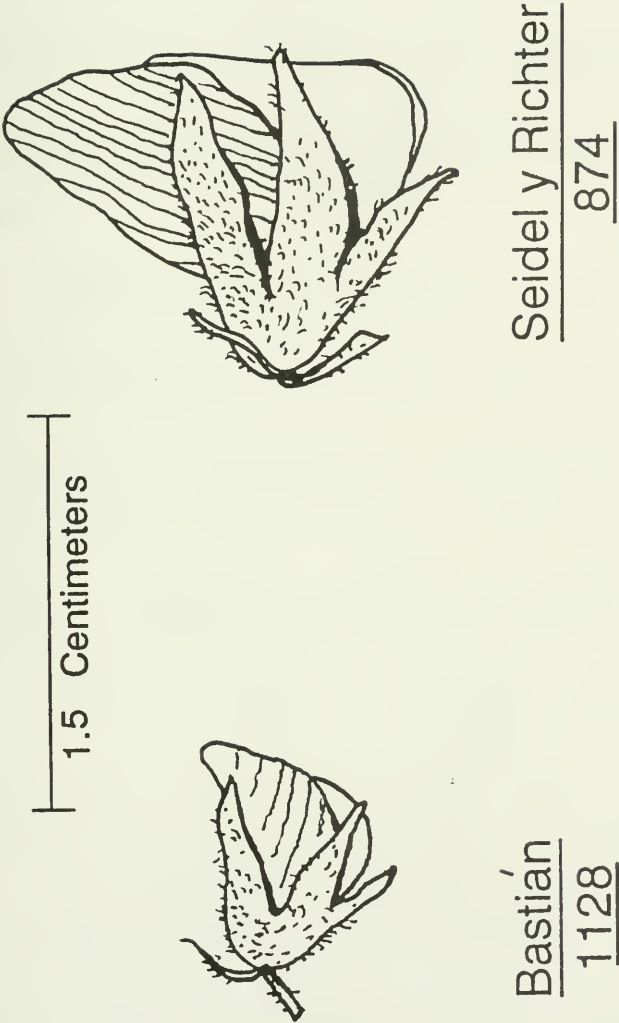
BOLIVIA. La Paz, Coripati Yungas, *Bang 2067* (F,MO). Tarija, Ruta Tarija-Ville Montes, Serere, *Krapovickas et al. 19149* (CTES).

PARAGUAY. Amambay, Sierra de Amambay, *M. Hassler 12039* (RB). Caaguazu, in region of Igatimi, in field, *E. Hassler 4723* (P). Cordillera, San Bernardino, Costa de Lago Ipacaray, *Quarin et al. 1475* (CTES). San Pedro, Río Tapiracuay, 8 km de San Estanislao, *Krapovickas et al. 13911* (CTES).

ARGENTINA. Entre Rios, Depto. Concordia, alrededores del obrador Salto Grande, *N.S. Troncoso et al. 1714* (BALT).

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FIG. 1. a. var. *incana* b. var. *grandiflora*

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